

APPARATUS AND METHOD FOR FLEXING A WEB

ABSTRACT

5 An apparatus and method for flexing a web is disclosed. The web passes over two
co-rotating members, such as rollers or belts, which are separated by a small adjustable
gap. The web travels around the first rotating member, is peeled off in the vicinity of the
gap, bent back on itself in a small radius and reattached on the second co-rotating member.
The location of the small radius is fixed with a closed loop control system sensing the
10 radius location and controlling the relative velocity of the two members. Strain in the web
is adjusted with the size of the small radius, which is controlled by the adjustable gap and
radius location.